

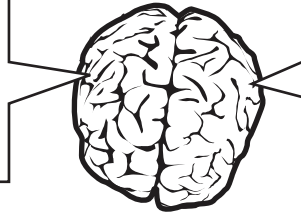
## Cerebral Cortex:

- Largest part of the brain
- Most highly developed part of the brain
- Controls thinking, perceiving, and understanding language
- Corpus callosum connects the two hemispheres

## Hemispheres of the cerebral cortex:

### Left Hemisphere

- Controls the right side of the body
- Responsible for mathematical ability, problem solving, language, and decision-making



### Right Hemisphere

- Controls the left side of the body
- Responsible for artistic expression and understanding relationships in space

## Lobes of the cerebral cortex:

### Parietal Lobe

- Located below the crown of the head
- Processes sensory information from the whole body (information about pain, touch, and pressure)

### Frontal Lobe

- Located right behind the forehead
- Responsible for initiating and coordinating motor movements and higher cognitive skills like problem solving and thinking



### Occipital Lobe

- Located in the back of the brain, against the skull
- Processes all the visual information coming into the brain

### Temporal Lobe

- Located behind the temples and just above the ears
- In charge of making sense of the information you hear
- Integrates information from various senses, such as smell and vision

## Hypothalamus:

- Controls body temperature, hunger, and thirst

## Cerebellum:

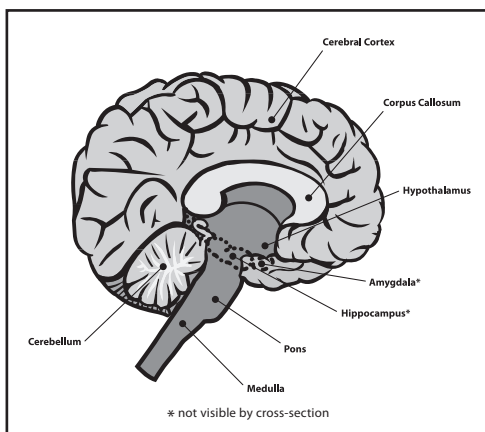
- Controls posture, movement, and the sense of balance

## Brain Stem:

- Brain's most primitive part
- Controls simple reflexes, such as coughing, sneezing, and digestion
- Two main parts—pons and medulla
  - **Pons** contains the fibers that connect the cerebral cortex with the cerebellum and spinal cord; also controls sleeping, awakening, and dreaming
  - **Medulla** controls heart rate, respiration, and blood pressure; connects the brain to the spinal cord

## Limbic System: two main parts—hippocampus and amygdala

- **Hippocampus** controls learning and memory
- **Amygdala** plays an important role in emotional behavior

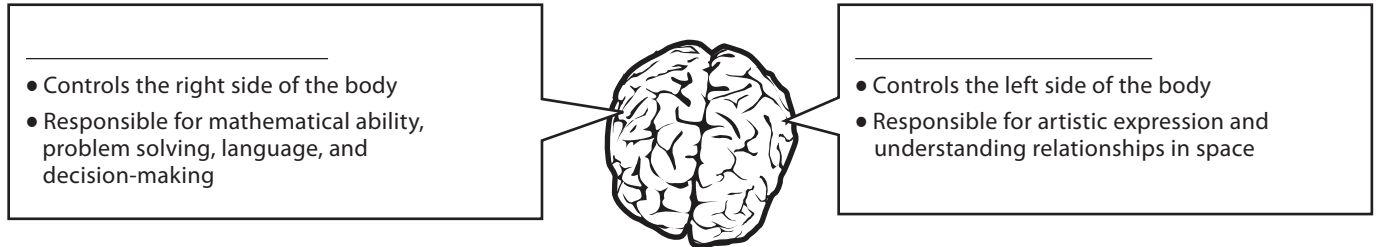


# Brain Parts Fact Sheet

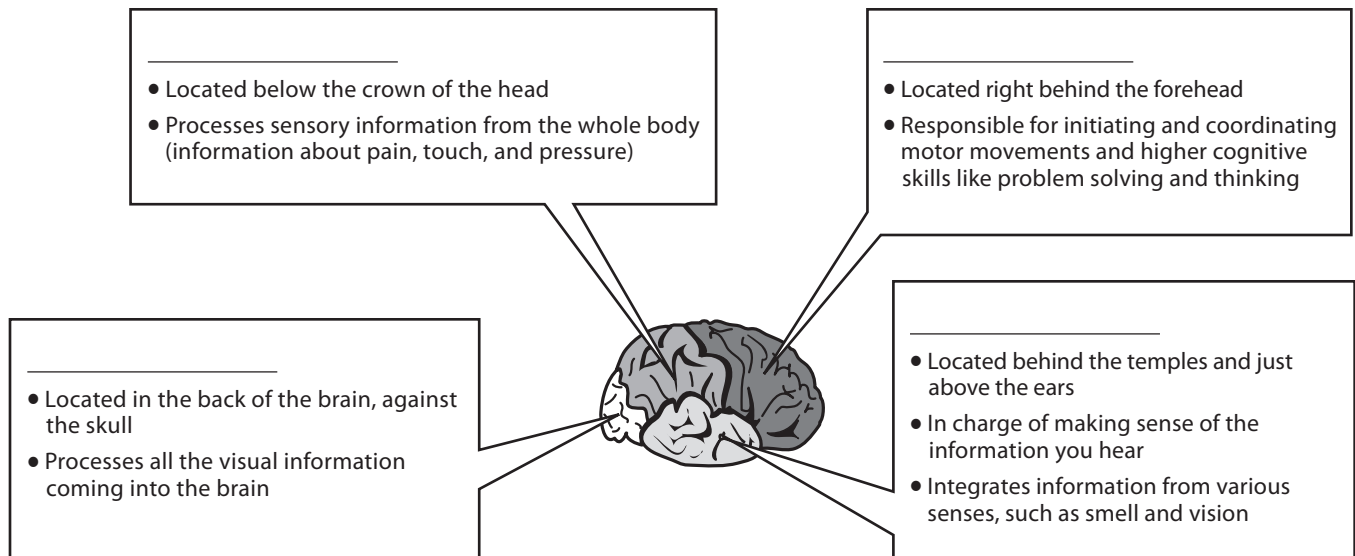
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